Dräger

Primus/Primus *Infinity*® *Empowered* & More

Dräger. Technology for Life®

This catalogue provides an overview of the main device combinations and additions to Primus/Primus *Infinity® Empowered*, the various options, accessories and replacement parts.

The list of contents shows at a glance which topics the catalogue covers in detail.

The information contained in this catalogue is designed to help you order the products you need. It enables you to put together a system combination which meets your specific needs and makes optimal use of the system's performance and capabilities.

As in the past, you will also find the catalogue helpful in identifying and ordering individual accessory components.

Not all products are available worldwide.

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OPTIONS FOR PRIMUS/PRIMUS *INFINITY® EMPOWERED*

PRIMUS
PRIMUS *IE*

Dräger offers a wide range of Software and Hardware options for the Primus and Primus *Infinity® Empowered*.

1. OPTIONS FOR PRIMUS/PRIMUS *INFINITY® EMPOWERED*

	Conversion Kit Software 4.0	**8607885**	■
	Software Options	**8605290**	■ ■
	– Advanced Ventilation		
	– Advanced Monitoring		
	– Volume Autoflow		
	For more detailed information please contact your sales representative.		
	Breathing Sound Emulator Module	**8605733**	■ ■
	This option transforms the measured inspiratory and expiratory flow values into an acoustic tone similar to a breathing sound.		
A	**External fresh-gas outlet (A-cone)**	**8603388**	■
		8607881	■
	For the connection of a non-rebreathing system.		
	For connection of an external O_2 therapy and/or an endotrachial aspiration system there are conversion kits available for an O_2 outlet and AIR outlet at the gas supply block of the Primus and Primus *Infinity® Empowered*.		
	There are also some accessories available that can be attached to the side rails of the Primus and Primus *Infinity® Empowered*.		
	For example:		
B	**Circuit hook**	**8601714**	■ ■
	Drawer cabinet	**8601997**	■
	Rail extension	**8601977**	■
	Infusion pole	**8601863**	■ ■
	Hinged arm for cable management	**M34080**	■ ■
	Hinged arm holder	**8601400**	■ ■

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OPTIONS FOR PRIMUS/PRIMUS *INFINITY® EMPOWERED*

PRIMUS
PRIMUS *IE*

HALOGEN LAMPS

A	**Halogen lamp, Euro**	**8604119**	■
	Halogen lamp, British Standard	**8604120**	■
	Halogen lamp, US Standard	**8604122**	■
	Halogen lamp, 12 V	**8605361**	■ ■
	Holder for all lamps	**8604126**	■ ■
	Halogen lamp mount, complete.		

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PRIMUS
PRIMUS *IE*

ACCESSORIES FOR THE BASIC UNIT, BREATHING SYSTEM

2. ACCESSORIES FOR THE BASIC UNIT, BREATHING SYSTEM

A	**Earthing cable, 80 cm**	**8301348**
	Earthing cable, 3.2 m	**8301349**
	KIT FOR OXYGEN THERAPY	
B	**O_2 Flowmeter 90° NIST**	**2M86249**
	Flowmeter, 90° (right) for rail, especially for anesthesia devices with NIST outlet.	
	O_2 Flowmeter 90° neutral	**MP01199**
	Flowmeter as external flowtube, especially for anesthesia devices with NIST outlet. For rail connection 90° angled with fixes circuit and NIST screw.	
	Rail with adapter for 90°/flowmeter	**AF00348**
C	**O_2 Flowmeter NIST**	**2M86248**
	Flowmeter for rail, especially for anesthesia devices with NIST outlet. Gas connection: 1 m circuit with NIST connection nut, device connection: M 34 x 1.5, Gas coulour coding: ISO colour Flowmeter.	
	O_2 Flowmeter neutral	**MP01198**
	Flowmeter as external flowtube. For rail connection 90° angled with fixes circuit and NIST screw.	
D	**DigiFlow O_2**	**MP01229**
	Oxygen flowmeter with digital display of set flow. For rail mounting with rotatable NIST gas inlet for the attachmet of a gas supply circuit with NIST union nut. Adjustment from 0.3 to 3 l/min in 0.1 increments, from 3 l/min in 0.5 increments. With M 34 x 1.5 port for reusable Dräger humidifier systems or nozzle. DigiFlow has a very high level of accuracy and the flow is easy to read.	
	Mount for external O_2 flowmeter	**8604116**

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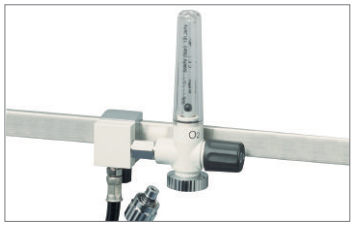

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ACCESSORIES FOR THE BASIC UNIT, BREATHING SYSTEM

PRIMUS
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A	**O_2 connection nozzle, Ø 6 mm**	**M06258**
	Between a 6 mm silicone hose and an O_2 flowmeter. For use in all applications where humidification is not desired, e.g. during manual ventilation with an O_2 reservoir.	
	Connection nozzle O_2, 22 mm/15 mm	**AF00434**
B	**Compact breathing system, for Primus***	**8605365**
	Compact breathing system for Primus *Infinity® Empowered**	**8607697**
	Consisting of:	
	Cover with APL valve, yellow	**8602803**
	Cover with APL valve, grey	**8607827**
	Breathing gas block	**8602804**
	Valve plate	**8603857**
	Angled connector	**8603275**
	Ventilator diaphragm	**2600650**
	Absorber insert	**M33720**
	Absorber container	**M33719**
C	**Drägersorb® Clic adapter**	**MX00012**
	To use the Drägersorb® CLIC disposable absorber.	
D	**Hex screwdriver**	**1640623**
	Flexible Bag Arm	**8606462**

* Reusable Absorber insert + Absorber container or Dräger CLIC adapter must be ordered separately.

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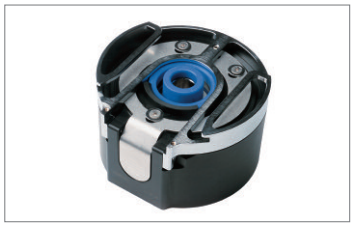

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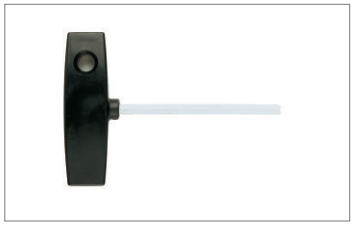

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PRIMUS
PRIMUS *IE*

ACCESSORIES FOR THE BASIC UNIT, BREATHING SYSTEM

SEMI OPEN BREATHING SYSTEM

A	**Kuhn-type anesthetic system for children** Semi open breathing system by Kuhn, with 0.5 l breathing bag.	**M34823**
	Kuhn-type anesthetic system for adults Semi open breathing system by Kuhn, with 2.3 l breathing bag.	**M34822**
B	**Connecting sleeve**	**M13506**
	Anesthetic gas scavenging system for Kuhn system	**M25838**
C	**Medec Waters Set** Semi open breathing system with integrated adjustable pressure valve and AGSS connection.	**M36037**

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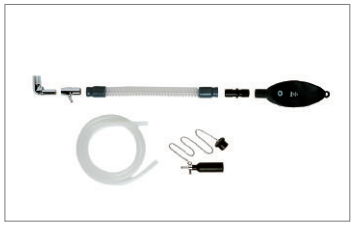

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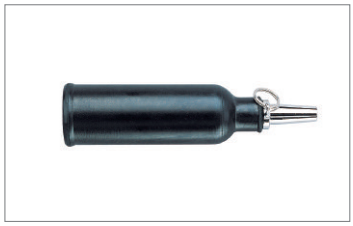

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PRIMUS
PRIMUS *IE*

MEDICAL ASPIRATION ACCESSORIES

3. MEDICAL ASPIRATION ACCESSORIES

ENDOTRACHEAL SUCTION SYSTEM

A	**Ejector suction NIST Air/O_2, for connection to central supply system**	**MK01418**
	Ejector suction NIST Air, for connection to central supply or Air outlet of the device	**MK01420**
	Air ejector type aspiration NIST Endotrachal bronchal aspirator is used to extract secretion from the airways in particular in the case of patients who are ventilated.	
	Vacuum suction NIST, for connection to central supply system	**MK01422**
	Vacuum suction DISS, for connection to central supply system	**MK03320**
	Holder for flowmeter	**8604116**
	Kit swivel arm for suction containers, Primus (F)	**8603581**
	Kit swivel arm Primus *Infinity® Empowered* (F)	**8607848**
	Secretion jar set with clamp (C, W) (includes suction accessoires)	**2M86036**
	Kit rail for container holder (C, W)	**AF00348**
B	**Bacterial filter**	**MK00514**
	Suction accessories	**8601179**
	Secretion view glass, aspiration circuit, angled connector, cap with valve, circuit.	
	Consisting of:	
C	**Secretion jar, 0.7 l**	**2M85594**
D	**Jar cap with safety valve**	**2M85011**
	Secretion sight glas	**M07582**
E	**Suction circuit, 1.5 m**	**M25780**
F	**Angled connector**	**2M19063**
	Circuit, 5 x 2 silicone	**1203606**

(F) = Floor/(W) = Wall/(C) = Ceiling

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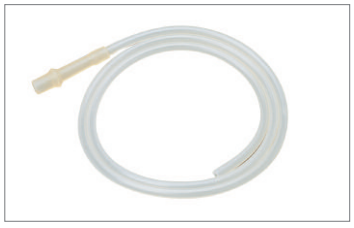

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PRIMUS
PRIMUS *IE*

MEDICAL ASPIRATION ACCESSORIES

DISPOSABLE SUCTION ACCESSORIES

A **VacuSmart, 0.7 l, disposable** — **MX23023**

Dräger Medical bronchial aspirators using 700 ml secretion jars, no need to modify the aspirator. It is adaptable within few seconds. An overflow safeguard reliably protects the aspirator and the environment against contamination.

B **VacuSmart tube, 2 m, disposable** — **MX23026**

C **Bacterial filter 767, set of 5 pcs.** — **6723976**

This bacteria filter was developed and optimized for use with Dräger standard ejectors. These filters are suitable for bronchial and surgical suction as well as continuous and thoracic drainage.

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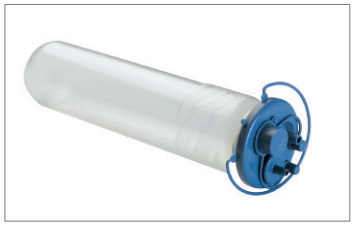

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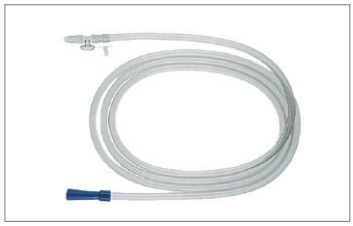

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PRIMUS
PRIMUS *IE*

ANESTHETIC GAS SCAVENGING SYSTEM (AGSS)

4. ANESTHETIC GAS SCAVENGING SYSTEM (AGSS)

AGSS

A	**Anesthetic gas scavenging system AGSS** For scavenging excess gas from anaesthetic workstations. For reducing the anaesthetic agent concentration in the vicinity of anaesthetic workstations.	**M33300**

AGSS TRANSFER HOSE

B	**Transfer hose, 50 cm (F/C)** Needed between AGS and anesthesia machine.	**M35016**
	Transfer hose, 75 cm (W/C)	**M33955**
	Transfer hose, 1 m (W/C)	**M33295**
	Transfer hose, 1.5 m (W/C)	**M33296**

AGSS SUCTION HOSE

C	**Suction hose, 50 cm (C)** Between anesthetic gas scavenging system (AGSS) and central gas supply.	**M35015**
	Suction hose, 1.5 m (W)	**M33297**
	Suction hose, 3 m (F)	**M33298**
	Suction hose, 5 m (F)	**M33299**

CONNECTORS

D	**Anesthetic gas scavenging connector 45°**	**G60440**
E	**Anesthetic gas scavenging connector 45°, DIN EN**	**G60495**
F	**Anesthetic gas scavenging connector, straight**	**G60580**

(F) = Floor/(W) = Wall/(C) = Ceiling

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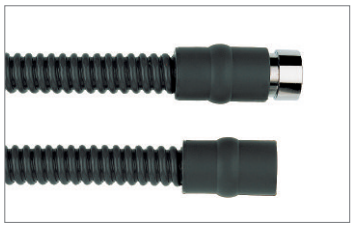

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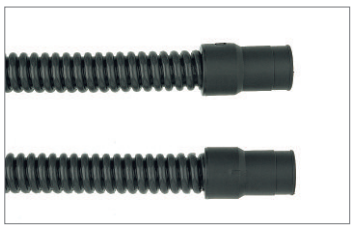

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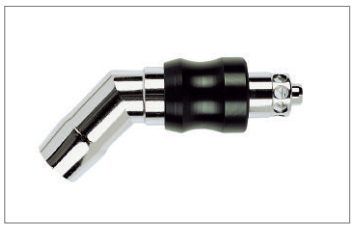

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PRIMUS
PRIMUS *IE*

VAPORIZERS

Connecting systems for anesthetic agents
Dräger vaporizers with Dräger connection system for the anesthetic agents halothane, enflurane, isoflurane, sevoflurane and desflurane.

5. VAPORIZERS

A	**D-Vapor**	**M35500**	■ ■
	Vapor 2000 **Isoflurane** **Sevoflurane** **Enflurane** **Halothane**	**M35054**	■ ■

'DRÄGER FILL' FILLING ADAPTERS

	Filling adapter, (h) Halothane (red)	**M36090**	■ ■
	Filling adapter, (i) Isoflurane (violet)	**M36110**	■ ■
	Filling adapter, (s) Sevoflurane (yellow)	**M36120**	■ ■
	Drainage set Quik-Fil	**M34206**	■ ■
B	**Vapor standby holder** Parking adapter for one Vaporize on the side of machine. Plate included.	**M33370**	■ ■
	Vapor standby holder (rail) For fitting on the wall rail. To hold 2 Vaporizers with plug in systems.	**M26966**	■ ■
	Rail, complete	**AF00348**	■ ■
	Vapor standby holder Selectatec	**8605588**	■ ■
	Selectatec adapter	**M34333**	■ ■

(W) = Wall/(C) = Ceiling

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PRIMUS
PRIMUS *IE*

ACCESSORIES FOR GAS AND FLOW MEASUREMENT

6. ACCESSORIES FOR GAS AND FLOW MEASUREMENT

GAS MEASUREMENT

A	**Set of 10 sampling lines**	**8290286**
B	**WaterLock®, set of 12 pcs.** For water separation when sampling test gas.	**6870567**
C	**Water trap WaterLock® 2, set of 12 pcs.** For water separation when sampling test gas. For use with the Dräger water trap holder without Luer Lock connection and with the Dräger water trap holder with Luer Lock connection and adapter.	**6872130**
D	**Water trap Infinity ID WaterLock® 2, set of 12 pcs.** The Infinity ID-water trap with integrated transponder. For Dräger appliances with Infinity ID technology the transponder enables identification of the water trap at the appliance with Infinity ID.	**6872020**
E	**WaterLock® 2 adapter, set of 6 pcs.** This set (adapter and mounting screw, right on the picture) allows you to use the former water trap holder on device (left on the picture) with the new water trap WaterLock 2 (6872130) and the Infinity ID WaterLock 2 (6872020).	**6872128**
F	**Fast oxygen sensor** Dräger O_2 sensors are electromedical systems intended for the measurement of O_2 partial pressure. The sensors work according to the galvanic cell principle. The gas mixture to be monitored diffuses through a plastic membrane into the sensor's liquid electrolyte. The electrolyte contains a working elektrode (gold electrode) and a counter-electrode (lead electrode). The oxygen to be monitored is electrochemically reduced at the working electrode.	**6850930**
G	**T-piece for sample gas (Pediatrics)** For sidestream measurement in combination with Y-piece with temperature output.	**8600224**
	Filter for T-piece for sample gas In combination with Y-piece with temperature output.	**8600225**

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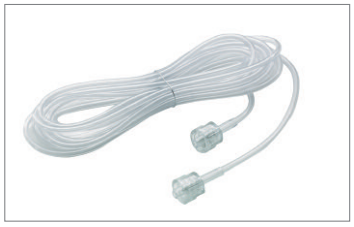

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PRIMUS
PRIMUS *IE*

ACCESSORIES FOR GAS AND FLOW MEASUREMENT

FLOW MEASUREMENT

A **Spirolog® flow sensor, set of 5 pcs.** **8403735**

B **SpiroLife® flow sensor** **MK01900**

The SpiroLife flow sensor is the only sensor wich combines the advantages of the hot-wire anemometer technology with a considerably prolonged service life as well as the possibility of sterilization.

C **Infinity® ID Flowsensor, set of 5 pcs.** **6871980**

Equipped with RFID-Tag to support the Infinity-functionality.

FILTRATION

D **Microbial filter 654 ST** **6733895**

Set of 5 for breathing system, to recycle. Reusable filter to protect the patient and the device against bacterial contamination. For breathing system (isolic). Lifespan: this filter should be sterilized at 134 °C after each use. The filter can be sterilized 24 times.

SODA LIME

E **Drägersorb® 800+, 5 l** **MX00001**

Soda lime in pellet form with color indikator from white to violet. For the absorption of carbon dioxide (CO_2) from breathing gas in inhalation anesthesia machines with rebreathing system.

F **Drägersorb® Free, 5 l** **MX50050**

Soda lime in pellet form with color indicator from white to violet. For the absorption of carbon dioxide (CO_2) from breathing gas in inhalation anesthesia machines with rebreathing system. Used with Sevoflurane, Drägersorb® Free prevents generation of Compound A and Carbon Monoxide.

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PRIMUS
PRIMUS *IE*

ACCESSORIES FOR GAS AND FLOW MEASUREMENT

CLIC ABSORBER

A **CLIC adapter** — **MX50090**
To use the CLIC absorber.

B **CLIC Absorber 800+, 1.2 l, set of 6 pcs.** — **MX00004**
The CLIC absorber for Dräger anesthesia machines is attached to the existing absorber holder by means of an adapter. A quick, clean, easy-to-use disposable solution. The CLIC Absorber 800+ is filled with Drägersorb® 800+, 1.2 l.

C **Infinity® ID CLIC Absorber 800+, set of 6 pcs.** — **MX50004**
Disposable soda lime cartridge with RFID tag, filled with Drägersorb 800+.

D **CLIC Absorber Free, 1.2 l, set of 6 pcs.** — **MX50100**
The CLIC absorber for Dräger anesthesia machines is attached to the existing absorber holder by means of an adapter. A quick, clean, easy-to-use disposable solution. The CLIC Absorber Free is filled with Drägersorb® Free,1.2 l.

Infinity® ID CLIC Absorber Free, set of 6 pcs. — **MX50120**
Disposable soda lime cartridge with RFID tag, filled with Drägersorb Free.

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PRIMUS
PRIMUS IE

VENTILATION SETS

7. VENTILATION SETS

REUSABLE VENTILATION SETS

A **Breathing set, adult** **M30146**

Complete set for standard anesthesia ventilation.

B **Breathing set, pediatric** **M33681**

Consisting of: Y-pieces, breathing circuits P,
breathing bag, double connector,
catheter connector, caps and test bellows P.

Conversion kit Children's Circuit Set **M27542**

Consisting of: 3 circuits for children,
breathing bag 0.5 l, Y-piece 90°,
angled LuerLock connector, nozzle.

DISPOSABLE VENTILATION SETS WITHOUT RFID

C **Vent Set Basic** **MP00300**

Disposable standard breathing system.
Consisting of 2 circuits, Y-piece and
LuerLock elbow. Material of circuits:
EVA (Ethylene vinyl acetater).
Length of circuits: 1.5 m.

D **Vent Set Flex** **MP00305**

Disposable standard breathing system.
Consisting of 2 extendable circuits,
Y-piece, LuerLock-elbow.
Material of circuits: PP (Polypropylene).
Length of circuits: up to 1.8 m.

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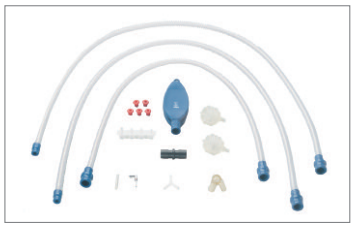

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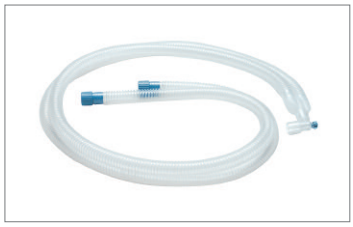

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PRIMUS
PRIMUS IE

VENTILATION SETS

A **Anesthesia Set Basic latex-free** **MP00301**

Disposable standard anesthesia set.
Consisting of 2 circuits (1.5 m,
EVA (Ethylene vinyl acetater)), Y-piece,
LuerLock-elbow, single circuit (80 cm),
EVA + connector + 2 l breathing bag, latexfree.

B **Anesthesia Set Basic latex** **MP00302**

Disposable standard anesthesia set.
Consisting of 2 circuits (1.5 m), EVA
(Ethylene vinyl acetater)), Y-piece,
LuerLock-elbow, single circuit (80 cm, EVA)
+ connector + 2 l breathing bag, latex.

C **Anesthesia Set Flex latex-free** **MP00303**

Disposable standard anesthesia set.
Consisting of 2 extendable circuits (up
to 1.8 m, PP (Polypropylene)), Y-piece,
LuerLock-elbow, single extendable circuit
(up to 80 cm, PP) + connector
+ 2 l breathing bag, latexfree.

D **Anesthesia Set Flex latex** **MP00304**

Disposable standard anesthesia set.
Consisting of 2 extendable circuits (up
to 1.8 m, PP (Polypropylene)), Y-piece,
LuerLock-elbow, single extendable circuit
(up to 80 cm, PP) + connector
+ 2 l breathing bag, latex.

E **Vent Set Coax** **MP00315**

Disposable coaxial breathing system with
LuerLock-elbow, 1.5 m.

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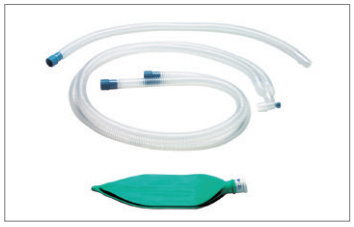

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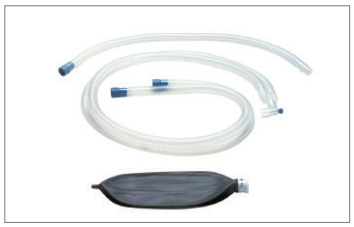

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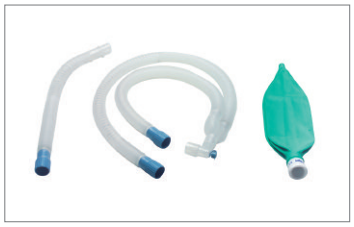

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MT-5713-2006

VENTILATION SETS

PRIMUS
PRIMUS *IE*

A **VentStar® Anesthesia without LuerLock** **MP00330**

Disposable standard anesthesia set, consisting of 2 hoses (150 cm, EVA), Y-Piece, closed angle piece, breathing bag set: single hose (80 cm, EVA) with connector and latex free 2 l breathing bag as well as fastening ring for positioning the breathing bag on the anesthesia delivery system.
Packaging unit: 25 pcs. Additional information: this anesthesia set may also be used on the Zeus®.

VentStar® Anesthesia (P) without LuerLock **MP00331**

Disposable standard anaesthesia set for paediatrics, consisting of 2 hoses (150 cm, EVA), Y-piece, closed angle piece, breathing bag set: single hose (110 cm, EVA) with connector and latex-free 1 l breathing bag as well as fastening ring for positioning the breathing bag on the anaesthesia delivery system. The circuit diameter of 15 mm is specially designed for paediatric patients. Paediatric pertaining to an individual weighing between 5 and 40 kg.
Additional information: this breathing circuit may also be used on the Zeus.

B **VentStar® Basic (P) 150 without LuerLock** **MP00338**

Disposable standard breathing circuit (pediatric), consisting of 2 hoses, Y-piece and elbow. Material of hoses: EVA. Length of hoses: 150 cm. The circuit diameter of 15 mm is specially designed for paediatric patients. Pediatric pertaining to an individual weighing between 5 and 40 kg. Additional information: this breathing circuit may also be used on the Zeus.

C **VentStar® Bag Set 80** **MP00222**

C **VentStar® Bag Set 120** **MP00380**

C **VentStar® Bag Set 150** **MP00381**

D **VentStar® Bag Set (P) 110** **MP00384**

Disposable breathing bag set (paediatric) for use with anaesthesia delivery systems, as a reservoir during automatic ventilation and as a manual breathing bag during manual ventilation. Fastening ring for convenient positioning of the breathing bag set on the anaesthesia delivery system.
Bag:1 l latex free; connection hose: 110 cm/EVA.
The circuit diameter of 15 mm is specially designed for paediatric patients. Paediatric pertaining to an individual weighing between 5 and 40 kg.
Additional information: This breathing bag set may also be used on the Zeus.

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MT-326-2008

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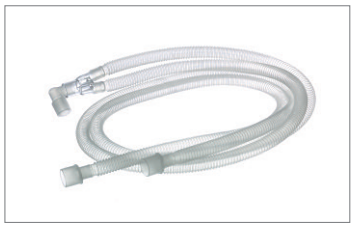

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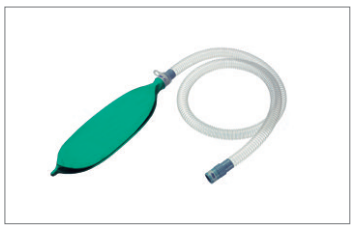

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PRIMUS
PRIMUS IE

VENTILATION SETS

DISPOSABLE VENTILATION SETS WITH RFID

Infinity® ID Breathing Circuit Smoothbore, 150 cm **MP00340**

Infinity® ID disposable smoothbore breathing circuit (adult), equipped with RFID-Tag to support the Infinity-functionality, length 150 cm, smoothbore, gas leading components PVC free, biocompatible and also suitable for use with anesthetic agents, latex free.

A **Infinity® ID Breathing Circuit Smoothbore, 300 cm** **MP01325**

Infinity® ID disposable breathing circuit, for adults, equipped with RFID-Tag to support the Infinity-functionality, length 300 cm, smoothbore, gas leading components PVC free, biocompatible and also suitable for use with anesthetic agents, latex free.

Infinity® ID Breathing Circuit Coaxial, 160 cm **MP00342**

Infinity® ID disposable coaxial-breathing circuit, equipped with RFID-Tag to support the Infinity-functionality, length 150 cm, coaxial (hose-in-hose), gas leading components PVC free, biocompatible and also suitable for use with anesthetic agents, latex free.

B **Infinity® ID Breathing Circuit Watertrap, 180 cm** **MP01326**

Infinity® ID disposable breathing circuit, for adults, equipped with RFID-Tag to support the Infinity-functionality, length 180 cm, with water trap (inspiratory and expiratory), gas leading components PVC free, biocompatible and also suitable for use with anesthetic agents, latex free.

C **Infinity® ID Breathing Circuit Basic (Ped), 180 cm** **MP01340**

Infinity® ID disposable breathing circuit (pediatric), equipped with RFID tag to support the Infinity-functionality, length 180 cm, hose diameter 15 mm, gas leading components PVC free, biocompatible and also suitable for use with anesthetic agents, latex free.

Infinity® ID Breathing Bag Set, 120 cm **MP00341**

Infinity® ID disposable breathing bag set (adult), equipped with RFID-tag to support the Infinity-functionality, 120 cm breathing bag hose + 2 l breathing bag incl. fixation ring for positioning the breathing bag on the anaesthesia delivery system, gas leading components PVC free, biocompatible and also suitable for usage with anesthetic agents, latex free.

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PRIMUS
PRIMUS *IE*

VENTILATION SETS

A **Infinity® ID Breathing Bag Set, 150 cm** **MP01330**

Infinity® ID disposable breathing bag set, for adults, equipped with RFID-tag to support the Infinity-functionality, 150 cm breathing bag hose + 2 l breathing bag incl. fixation ring for positioning the breathing bag on the anaesthesia delivery system, gas leading components PVC free, biocompatible and also suitable for usage with anesthetic agents, latex free.

B **Infinity® ID Breathing Bag Set (Ped), 110 cm** **MP01343**

Infinity® ID disposable breathing bag set (pediatric), equipped with RFID tag to support the Infinity-functionality, 110 cm long manual breathing bag hose (hose diameter 15 mm) with 1 l breathing bag, incl. fixation ring for positioning the breathing bag set on the anesthetic device, gas leading components PVC free, biocompatible and also suitable for use with anesthetic agents, latex free.

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PRIMUS
PRIMUS *IE*

VENTILATION SETS

Y-PIECES AND CONNECTORS

A **Y-piece** **8412220**
For masks with ISO connectors and standard connectors, with 10 mm socket connectors.

B **Y-piece Luer-Lock** **M33278**
For sampling test gas near the patient, connection can be rotated through 360°, polyamide, electrically conductive, for masks with ISO connections and standard connectors.

C **Y-piece 90°, ISO** **M25682**
Without Luer-Lock connector, polyamide, with 22 mm socket connector.

D **Y-piece straight, ISO** **M25650**
Straight, polyamide for masks with ISO-connectors.

E **Y-piece 90°, pediatric** **8403075**
For masks with ISO connectors and standard connectors, with 10 mm socket and suction opening.

F **Y-piece straight, pediatric** **M27077**
Made of polysulphone, for the connection of breathing circuits to pediatrics masks.

G **Double connection, ISO** **M25647**
Double connector, polyamide, with two 22 mm connectors.

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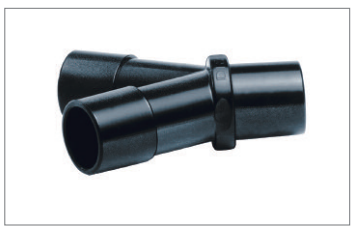
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MT-0732-2008

PRIMUS
PRIMUS *IE*

DISPOSABLE FILTERS AND HMEs

8. DISPOSABLE FILTERS AND HMEs

FILTERS/HMEs

A **Filter/HME Twinstar® 55** — **MP01805**
Combination of high performance breathing system filter and efficient heat and moisture exchanger for adult use.

MECHANICAL FILTER

B **Filter SafeStar® 55** — **MP01790**
High performance mechanical HEPA breathing system filter for adult use.

ELECTOSTATIC FILTER

C **Filter CareStar® 30** — **MP01770**
High performance electrostatic breathing system filter for adult and pediatric use.

HME

D **HME HumidStar® 55** — **MP01730**
Heat and moisture exchanger with high heat and moisture return for adult use.

E **HME HumidStar® 2** — **MP01745**
Heat and moisture exchanger with high heat and moisture return for neonatal use.

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MT-11164-2006

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DISPOSABLE FILTERS AND HMEs

SPECIFICATIONS

	Filter / HME TwinStar® 55	Filter SafeStar® 55	Filter CareStar® 30
Deadspace (ml)	55	55	30
Recommended tidal volume (ml)	300 to 1500	300 to 1500	100 to 1500
Bacterial retention* (%)	99.999	99.9999	99.999
Viral retention* (%)	99.99	99.9999	99.99
Filtration method	electrostatic	mechanical (HEPA***)	electrostatic
Moisture loss** (mg H_2O/l air)	7.2 @ Vt 500 ml	–	–
Moisture output (mg H_2O/l air)	36.8	–	–
Resistance at 30 l/min (mbar)	0.9	1.3	0.6
Weight (g)	28	39	23
ISO connectors	22M/15F – 22F/15M	22M/15F – 22F/15M	22M/15F – 22F/15M
Sampling port	Luer-Lock with tethered cap	Luer-Lock with tethered cap	Luer-Lock with tethered cap
Housing	Polypropylene	Polypropylene	Polypropylene
Maximum duration of use	24 hours	24 hours	24 hours
Shelf life in undamaged packaging	3 years	5 years	3 years
Product	PVC-free/Latex-free	PVC-free/Latex-free	PVC-free/Latex-free

Cleanroom manufactured according to EN ISO 14644-1:1999

SPECIFICATIONS

	HME HumidStar® 55	HME HumidStar® 2
Compressible volume (ml)	55	2
Recommended tidal volume (ml)	300 to 1500	10 to 30
Moisture loss** (mg H_2O/l air)	6.3 @ Vt 500 ml	6.4 @ Vt 50 ml
Moisture output (mg H_2O/l air)	37.7	37.6
Resistance	0.4 @ 30 l/min	1.9 @ 15 l/min
Weight (g)	28	3.5
ISO connectors	22M/15F – 22F/15M	15M – 15F
Sampling port	Luer-Lock with tethered cap	–
Housing	Polypropylene	Styrene-butadiene
Maximum duration of use	24 hours	24 hours
Shelf life in undamaged packaging	5 years	5 years
Product	PVC-free/Latex-free	PVC-free/Latex-free

Cleanroom manufactured according to EN ISO 14644-1:1999

*According to Nelson Laboratories, Inc. Salt Lake City, USA.
**According to ISO EN 9360-1:2000
***According to ISO EN 1822-1:1998

REUSEABLE VENTILATION ACCESSORIES

PRIMUS
PRIMUS *IE*

9. REUSEABLE VENTILATION ACCESSORIES

ANESTHESIA AND VENTILATION MASKS

A	**All-round mask, size 1**	**2165732**	■ ■
	The all-round mask is made of silicone and can therefore be used with latex sensitive patients.		
	All-round mask, size 2	**2165740**	■ ■
	All-round mask, size 3	**2165759**	■ ■
	Sealing plug	**M14737**	■ ■

FOREGGER MASKS

B	**Foregger mask, size 1**	**2165910**	■ ■
	The Foregger reusable anesthesia and ventilation mask is made of silicone elastomer and can therefore be used with latex sensitive patients.		
	Foregger mask, size 2	**2166097**	■ ■
	Foregger mask, size 3	**2166100**	■ ■
	Foregger mask, size 4	**2166119**	■ ■

RENDELL-BAKER MASKS

C	**Rendell-Baker mask, size 0**	**M22764**	■ ■
	Rendell-Baker mask is for children, made of rubber, with 22 mm connectors.		
	Rendell-Baker mask, size 1	**M14631**	■ ■
	Rendell-Baker mask, size 2	**M14632**	■ ■
	Rendell-Baker mask, size 3	**M14633**	■ ■

A

MT-22-97

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MT-0731-2008

PRIMUS
PRIMUS *IE*

REUSEABLE VENTILATION ACCESSORIES

SILICONE BREATHING BAGS

A	**Breathing bag, silicone 0.5 l** Transparent breathing bag of silicone elastomer, the latex-free solution.	**2166054**
	Breathing bag, silicone 1.5 l	**2166127**
	Breathing bag, silicone 2.3 l	**2166062**
	Breathing bag, silicone 3 l	**2166070**

LATEX BREATHING BAGS

B	**Breathing bag, latex 0.5 l** True Blue Latex breathing bag.	**2165686**
	Breathing bag, latex 1.5 l	**2165953**
	Breathing bag, latex 2 l	**2165694**
	Breathing bag, latex 2.3 l	**2165708**
	Breathing bag, latex 3 l	**2165716**

RESUSCITATOR

C	**Resuscitator MR-100, adult** Reusable, manual resuscitator for adults, including mask and oxygen reservoir for additional oxygen.	**5702881**
	Resuscitator MR-100, child	**5702321**
	Resuscitator MR-100, infant	**5702322**
	Oxidem 3000	**2M86296**
D	**Hook** Hook for accessories, e.g. breathing bag.	**M26349**

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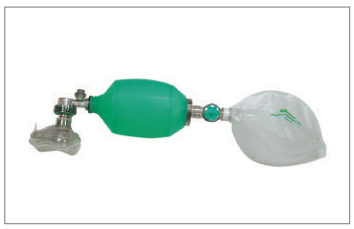

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PRIMUS
PRIMUS *IE*

DISPOSABLE BREATHING MASKS

10. DISPOSABLE BREATHING MASKS

A **LiteStar® face mask, without hook ring**

LiteStar® anesthesia face mask is disposable. The teardrop shape of the mask ensures an anatomical fit. The transparent mask body allows for continuous observation of the patient's vital signs. The white reinforcing ring placed around the mask connector provides safe connection with breathing circuit systems. Additional hook rings and headgears for fixation are available.
Packaging unit: 30 pcs.

LiteStar® face mask, size 1, neonate	**MP01501**
LiteStar® face mask, size 2, infant	**MP01502**
LiteStar® face mask, size 3, toddler	**MP01503**
LiteStar® face mask, size 4, small	**MP01504**
LiteStar® face mask, size 5, medium	**MP01505**
LiteStar® face mask, size 6, large	**MP01506**

A

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PRIMUS
PRIMUS IE

DISPOSABLE BREATHING MASKS

A **ComfortStar® anesthesia face mask with hook ring**

ComfortStar® anesthesia face mask is disposable. The teardrop or round shape of the mask ensures an anatomical fit with effective seal (by inflating or deflating the mask cushion).The ComfortStar masks sizes 4-6 are equipped with slip-stop ridges to provide a safe and no-slip grip. All ComfortStar masks dispose of colored hook rings for easier size identification. Headgears for fixation are available. ComfortStar masks are available as scented and non-scented versions, for adult and pediatric applications. Packaging unit: 20 pcs.

ComfortStar® anesthesia face mask, standard, size 0, neonate	**MP01510**
ComfortStar® anesthesia face mask, standard, size 1, new born	**MP01511**
ComfortStar® anesthesia face mask, standard, size 2, infant	**MP01512**
ComfortStar® anesthesia face mask, standard, size 3, toddler	**MP01513**
ComfortStar® anesthesia face mask, standard, size 4, small adult	**MP01514**
ComfortStar® anesthesia face mask, standard, size 5, medium adult	**MP01515**
ComfortStar® anesthesia face mask, standard, size 6, large adult	**MP01516**

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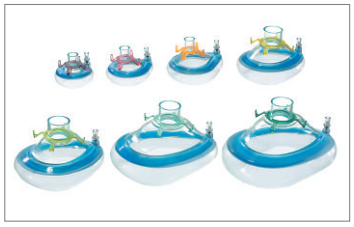

MT-4205-2008

B **ComfortStar® anesthesia face mask, strawberry scented, size 1, new born** **MP01521**

ComfortStar® anesthesia face mask, strawberry scented, size 2, infant	**MP01522**
ComfortStar® anesthesia face mask, strawberry scented, size 3, toddler	**MP01523**
ComfortStar® anesthesia face mask, strawberry scented, size 4, small adult	**MP01524**

B

MT-4170-2008

DISPOSABLE BREATHING MASKS

PRIMUS
PRIMUS IE

A	ComfortStar® anesthesia face mask, bubble gum scented, size 1, new born	MP01531
	ComfortStar® anesthesia face mask, bubble gum scented, size 2, infant	MP01532
	ComfortStar® anesthesia face mask, bubble gum scented, size 3, toddler	MP01533
	ComfortStar® anesthesia face mask, bubble gum scented, size 4, small adult	MP01534
B	ComfortStar® anesthesia face mask, mint scented, size 3, toddler	MP01543
	ComfortStar® anesthesia face mask, mint scented, size 4, small adult	MP01544
	ComfortStar® anesthesia face mask, mint scented, size 5, medium adult	MP01545
	ComfortStar® anesthesia face mask, mint scented, size 6, large adult	MP01546

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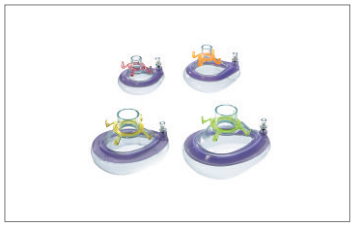

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MT-4149-2008

DISPOSABLE BREATHING MASKS

PRIMUS
PRIMUS *IE*

ADDITIONAL MASK ACCESSORIES

A	**Hook Ring for LiteStar® masks 1–2**	**MP01551**
	Hook Ring for LiteStar® masks 3–6	**MP01552**
B	**Headgear, reusable, silicone, small**	**MP01557**
	Headgear, reusable, silicone, large	**MP01558**
C	**Headgear, disposable, soft fabric, small**	**MP01559**
	Headgear, disposable, soft fabric, large	**MP01560**
D	**Headgear, disposable, soft rubber, small**	**MP01561**
	Headgear, disposable, soft rubber, large	**MP01562**
E	**Two-sided pump ball**	**MP01590**

O_2 MASKS

F	**Oxygen mask** For adults, under skin with circuit (length: 2.1 m), 50 pcs.	**MX30101**
G	**Oxygen mask with reservoir** For adults, under skin with circuit and reservoir (length: 2.1 m), 50 pcs.	**MX30108**

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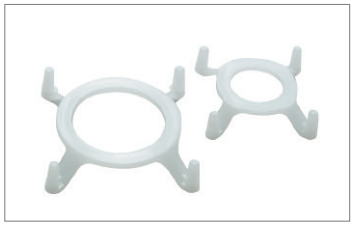

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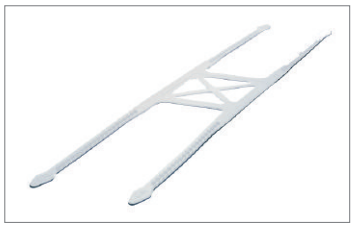

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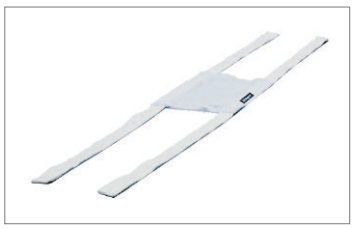

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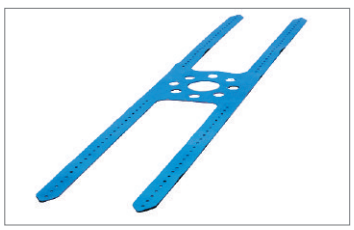

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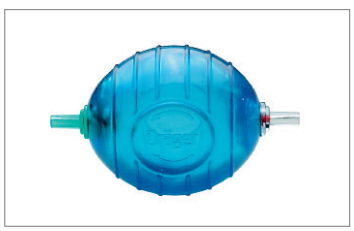

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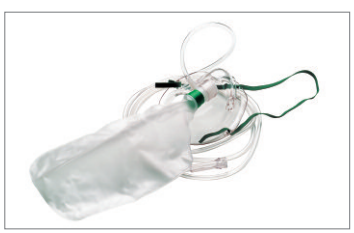

MT-2359-2004

PULSE OXIMETRY SENSORS

PRIMUS
PRIMUS *IE*

11. PULSE OXIMETRY SENSORS

A **SpO_2 adhesive sensor, Max A, adult > 30 kg** — **MX50065**
Adults > 30 kg, cable 45 cm, 24 pcs., latex free.

B **SpO_2 adhesive sensor, Max P, 10 kg–50 kg** — **MX50066**
Children 10–50 kg, 24 pcs., latex free.

C **SpO_2 adhesive sensor, Max I, 1 kg–20 kg** — **MX50067**
Children 1–20 kg, 24 pcs., latex free.

D **SpO_2 adhesive sensor, Max N, neonates up to 3 kg, adults from 40 kg** — **MX50068**
Adults and neonates < 3 kg or > 40 kg, 24 pcs., latex free.

E **Adhesive sensor Max R** — **MX50069**
For nose of an adult, 24 pcs., latex free.

F **MAX-FAST** — **MX50070**
Forehead, > 10 kg, 4 adhesive tapes, latex free.

G **MAX-AL** — **MX50071**
Adults > 30 kg, cable 90 cm, 24 pcs., latex free.

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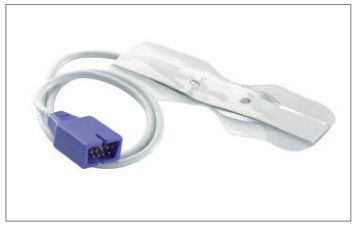
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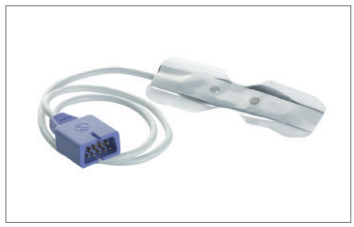
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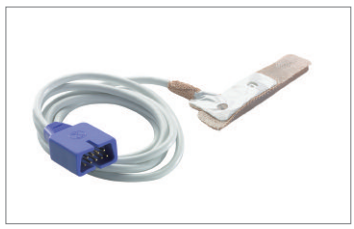
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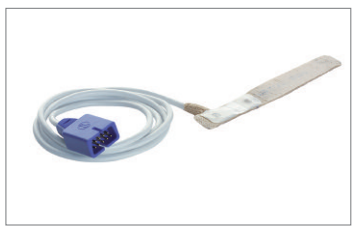
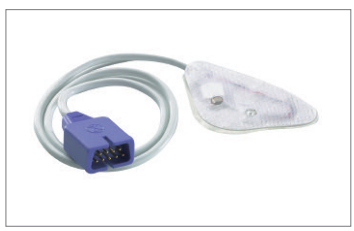
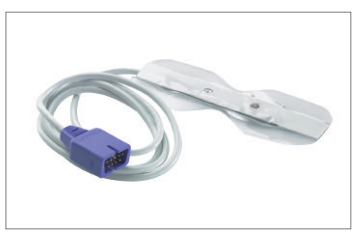

MT-158-2003

E

MT-162-2003

F

MT-164-2003

G

MT-166-2003

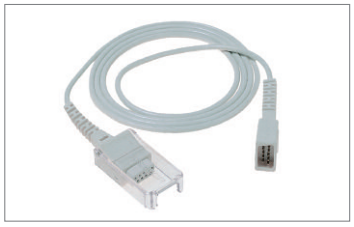
PRIMUS
PRIMUS *IE*

PULSE OXIMETRY SENSORS

CABLES

A	SpO_2 sensor extension cable, 1.3 m	8201015
	SpO_2 sensor extension cable, 2.6 m	8600859
B	SpO_2 basic cable, 1.5 m	M35371
	SpO_2 basic cable, 2.4 m	M35370

A



MT-2639-91

B

MT-2660-2004

MONITORING COMBINATIONS

12. MONITORING COMBINATIONS

Primus and Primus *Infinity® Empowered* have an open interface architecture and can be equipped with hemodynamic monitoring. Dräger offers CE-certified combinations for many hemodynamic monitors.

Ask your sales representative for an updated list of approved mounting and monitoring combinations.

MT-158-2003

MT-162-2003

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The quality management system at Dräger Medical GmbH is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).

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